

ABSTRACT OF THE DISCLOSURE

An optical film comprising microlenses, a light shield layer and a light diffusion layer, wherein, for example, the light transmittance passing through the light shield layer is modulated depending on changed concentrations of silver or a compound containing silver dispersed in gelatin in the light shield layer, has wide angle of field properties and high contrast properties, and can be applied to image display apparatuses such as a liquid crystal display to improve angle of field properties, contrast properties and to prevent image deterioration against outer light.